

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A Method of recording a sequence of ordered real-time information signals, ~~such as audio/video information,~~ on a disc like recording medium, ~~such as an optically readable disc,~~ the method comprising:

applying a sequence of marks, representing a sequence of information signals of a recording, along a spiral track on the disc like-recording medium, wherein the marks are allocated contiguously in fragments, the fragments being separately addressable, ~~characterized by,~~

allocating allocation extents of at least one fragment, with fragments within an allocation extent allocated contiguously, the allocation extents located preferably in a distributed manner over the recordable area of the disc like-recording medium with preferably-free space areas in the neighborhood of the separate allocation extents, said free space being available for subsequently allocating allocation extents of a subsequent recording~~[[.]], and~~

allocating allocation extents representing neighboring real time information signals in the ordered sequence of information signals spatially in each other neighborhood on the disc recording medium.

2. (Cancelled).

3. (Currently Amended) A Method according to claim 1~~[[2,]]~~ characterized ~~by, further comprising~~ allocating allocation extents in consecutive order in either inward or outward direction along the radius of the recording medium.

4. (Currently Amended) A Method according to claim 3, ~~characterized by, further comprising~~ continuing allocating allocation extents in a reversed order from the inner, respectively the outer diameter of a recordable area of the recording medium when reaching the inner, respectively the outer diameter.

5. (Currently Amended) A Method according to claim 1, ~~characterized by, further comprising~~ dividing a logical address space related to the recording medium in successive allocation areas,
dividing each allocation area in allocation zones, and
allocating the allocation extents in the allocation zones.

6. (Currently Amended) A Method according to claim 1, wherein the disc-like recording medium is divided in successive annular bands, the annular bands spanning contiguous parts of the disc like recording medium, while rotating the disc like recording medium with a constant angular velocity during recording in an annular band, ~~characterized by, further comprising~~ allocating an allocation extent in an annular band, wherein successive allocation extents are allocated in successive annular bands, an annular band having a size adapted to allocate therein additional allocation extents representing a second recording.

7. (Currently Amended) A Method according to claim 1, wherein the recording medium is adapted to record marks of the optically readable type in mutually alternating spiral groove and land tracks, ~~characterized by, further comprising~~ allocating an allocation extent either in a groove track or in a land track.

8. (Currently Amended) A Method according to claim 5, ~~characterized by, further comprising~~ allocating successive allocation zones located in groove tracks in a first order and in land tracks in a second, opposite order.

9. (Currently Amended) A Method according claim 1, for recording a second sequence of marks, representing real-time information signals of a second recording, ~~characterized by, further comprising:~~

allocating successive allocation extents of at least one fragment of the second sequence ~~preferably~~ in the neighborhood of the successive allocation extents of the first sequence, ~~preferably~~ in a distributed manner over the recordable area of the disc like recording medium with ~~preferably~~ free space areas in the neighborhood of the allocated allocation extents, said free space being available for allocation of further allocation extents of subsequent sequences.

10. (Currently Amended) A Method of simultaneously reproducing and recording sequences of ordered real-time information signals, ~~such as audio/video information, from or on a disc like recording medium, such as an optically readable disc, wherein~~ at least a first sequence of marks, representing the information signals of a first recording, has been recorded according to claim 1, the method comprising alternately:

reading from the disc like recording medium at least one recorded fragment of at least one allocation extent of the first sequence of marks for reproduction, and

allocating on the disc like recording medium at least one fragment of at least one allocation extent of a subsequent, second sequence of marks, representing information signals of a second recording, for recording ~~preferably~~ in the neighborhood of the at least one previous and/or next fragment of the first sequence read.

11. (Currently Amended) A Method according to claim 10, wherein allocating fragments of a recording is performed with a first data rate and reading fragments of a recording is done with a second, different data rate, the method comprising alternately

allocating a first number of fragments and reading a second number of fragments, wherein the first, respectively second number is determined by the first, respectively second data rate.

12. (Currently Amended) A disc like recording medium, ~~such as an optical disc,~~ provided with marks representing real time information signals, ~~such as audio/video information,~~ allocated in response to the method of recording marks according to claim 1.

13. (Currently Amended) An apparatus ~~for recording~~ adapted to record a sequence of real-time information signals, ~~such as audio/video information,~~ on a disc like recording medium, ~~such as an optically readable disc,~~ the apparatus comprising:
~~receiving means for receiving~~ a receiver adapted to receive real time information signals for recording,

~~writing means for applying~~ a writing head adapted to apply a sequence of marks, representing a sequence of real time information signals of a recording, along a spiral track of the disc like recording medium, and

~~control means for controlling~~ a controller adapted to control the writing head ~~the writing means such as to apply said~~ thereby applying the marks in separately addressable fragments of contiguously recorded marks,

~~characterized in that, the apparatus comprising:~~ comprises
allocation means adapted to allocate allocation extents of at least one fragment, with fragments within a allocation extent allocated contiguously, the allocation extents located ~~preferably~~ in a distributed manner over the recordable area of the disc like recording medium with ~~preferably~~ free space areas in the neighborhood of the separate allocation extents, said free space being available for applying further allocation extents of a subsequent recording and the control means are adapted to control the writing means ~~such as to apply marks in the allocation extents,~~ and

the allocation means are adapted to allocated allocation extents representing neighboring real time information signals in the ordered sequence of information signals, spatially in each other neighborhood on the disc recording medium.

14. (Cancelled).

15. (Currently Amended) An ~~[[A]]~~ apparatus according to claim 14, wherein ~~characterized in that~~, the allocation means are adapted to allocate the allocation extents in consecutive order in either inward or outward direction along the radius of the recording medium.

16. (Currently Amended) An ~~[[A]]~~ apparatus according to claim 15, wherein ~~characterized in that~~, the allocating means are adapted to continue allocate allocation extents in a reversed order from the inner, respectively the outer diameter of a recordable area of the recording medium when reaching the inner, respectively the outer diameter.

17. (Currently Amended) An ~~[[A]]~~ apparatus according to claim 13, wherein ~~characterized in that~~, the apparatus comprises addressing means adapted to divide a logical address space related to the recording medium in successive allocation areas and to divide each allocation area in allocation zones and the allocation means are adapted to allocate the allocation extents in the allocation zones.

18. (Currently Amended) An ~~[[A]]~~ apparatus according to claim 13, adapted to operate with a disc ~~like~~ recording medium that is divided in successive annular bands, the annular bands spanning contiguous parts of the disc ~~like~~ recording medium, and

adapted to rotate the disc like recording medium with a constant angular velocity during recording in an annular band, ~~wherein characterized in that,~~ the allocation means are adapted to allocate an allocation extent in an annular band, with successive allocation extents allocated in successive annular bands, an annular band having a size adapted to allocate therein additional allocation extents representing a second recording.

19. (Currently Amended) An ~~[[A]]~~ apparatus according to claim 13, adapted to apply marks of the optically detectable type in mutually alternating spiral groove and land tracks of the recording medium, ~~wherein characterized in that,~~ the allocation means are adapted to allocate an allocation extent either in a groove track or in a land track.

20. (Currently Amended) An ~~[[A]]~~ apparatus according to claim 19, ~~wherein characterized in that,~~ the allocation means are adapted to allocate successive allocation zones in groove tracks in a first order and in land tracks in a second, opposite order.

21. (Currently Amended) An ~~[[A]]~~ apparatus according to claim 13, for recording a second sequence of marks, representing real-time information signals of a second recording, ~~wherein characterized in that,~~

the allocation means are adapted to allocate successive allocation extents of at least one fragment of the second sequence in the neighborhood of the successive allocation extents of the first sequence, ~~preferably~~ in a distributed manner over the recordable area of the disc like recording medium with ~~preferably~~ free space areas in the neighborhood of the allocated allocation extents, said free space being available for appliance of further allocation extents of subsequent sequences.

22. (Currently Amended) An ~~[[A]]~~ apparatus for simultaneously reproducing and recording sequences of ordered real time information signals, ~~such as audio/video information,~~ from or on a disc like recording medium, ~~such as an optically readable~~

disc, wherein the information signals are recorded on the disc like recording medium by marks arranged along a spiral track of the disc like recording medium and are allocated in addressable fragments of contiguously recorded marks,

wherein at least a first sequence of marks, representing the information signals of a first recording, has been recorded according to the method of claim 1, the apparatus comprising:

~~receiving means for receiving~~ a receiver adapted to receive real time information signals for recording,

~~writing means for applying~~ a writing head adapted to apply a fragment of marks representing information signals received by the receiving means on the disc like recording medium,

a reading head adapted to read ~~reading means for reading~~ at least a fragment of marks from the disc like recording medium,

reproducing means for reproducing real time information signals represented by the marks read,
characterized in that, the apparatus comprises

~~control means for controlling~~ a controller adapted to control the reading head and writing head ~~write means and read means~~ in order to alternately:

read at least one recorded fragment of at least one allocation extent of the first sequence for supply to the reproducing means and

allocate at least one fragment of at least one allocation extent of a subsequent, second sequence of marks, representing information signals of a second recording, preferably in the neighborhood of the at least one fragment of the first recorded sequence read and/or the next fragment of the first recorded sequence to read.

23. (Currently Amended) An ~~[[A]]~~ apparatus according to claim 22, adapted to apply fragments of marks of a recording with a first data rate and to read fragments of a recording with a second, different data rate, wherein

~~the control means are~~ the controller is adapted to control alternately:

the ~~write~~ writing head ~~means~~ to apply a first number of fragments of marks wherein the first number is determined by the first data rate, and

the reading head ~~means~~ to read a second number of fragments of marks wherein the second number is determined by the second data rate.